



SUMMARY TEST DATA ON DTA-2G18G-60-12-CD-1-20DBM-TS-NSI

Customer: _____
 Job No: _____
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI
 Serial No: PL33008/2129

Tested By: K. Wagaman
 Date: Thursday, July 22, 2021
 Temperature: +25° C
 Drawing No: 27617795 Rev: A2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA QC	
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	PMI QA 2	
2	Insertion Loss:	4.8 dB Max.	4.5 dB See Plot		
3	VSWR:	2.0:1 Max.	1.69:1 See Plot		
4	Flatness to 20 dB:	± 1.0 dB Typ.	1.05 dB See Plot		
6	Flatness to 40 dB:	± 1.25 dB Typ.	1.14 dB See Plot		
7	Flatness to 60 dB:	± 3.0 dB Typ.	1.31 dB See Plot		
8	Accuracy of Attenuation 0 to 20 dB:	± 1.0 dB Typ.	0.13 dB See Plot		
9	Accuracy of Attenuation 20 to 40 dB:	± 1.5 dB Typ.	0.25 dB See Plot		
10	Accuracy of Attenuation 40 to 60 dB:	± 2.0 dB Typ.	0.21 dB See Plot		
11	Temp. Sensor:	10mV/°C, 3.0V @ 25°C	3.03 V		
12	Switching Speed:	On Time: 1.0 µs Max. Off Time: 0.5 µs Max.	<1.0 µs On Time <0.5 µs Off Time See Typical Characteristics		
13	DC Supply:	+15VDC @ 150 mA Max.	118 mA		PMI QA 2

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
0.0156	0.0242	-0.01	0.00
0.0313	0.0409	-0.01	0.00
0.0625	0.0691	-0.01	0.01
0.125	0.131	-0.01	0.01
0.25	0.26	-0.01	0.02
0.50	0.51	-0.01	0.03
1.00	1.02	-0.02	0.07
2.00	2.03	-0.03	0.13
4.00	4.04	-0.04	0.26
8.00	8.08	-0.08	0.51
16.00	16.12	-0.16	0.92
32.00	32.16	-0.16	1.05

Programed Attenuation	Attenuation	Accuracy of Attenuation	Flatness dB
dB	dB	dB	±dB
5.00	4.94	0.06	0.31
10.00	10.09	-0.09	0.62
15.00	15.06	-0.06	0.86
20.00	20.13	-0.13	1.05
25.00	25.11	-0.11	1.14
30.00	30.15	-0.15	1.11
35.00	35.25	-0.25	0.71
40.00	40.21	-0.21	0.55
45.00	45.06	-0.06	0.50
50.00	49.89	0.11	0.61
55.00	54.83	0.17	0.85
60.00	59.79	0.21	1.31

QA/QC Approval: [Signature]

PMI
QA 2

Date: 07/23/21



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